

Wright State University

CORE Scholar

Vital Signs

Boonshoft School of Medicine Newsletters

Fall 1995

Vital Signs, Fall 1995

Boonshoft School of Medicine

Follow this and additional works at: https://corescholar.libraries.wright.edu/med_vital_signs



Part of the [Medical Education Commons](#), and the [Medical Specialties Commons](#)

Repository Citation

Boonshoft School of Medicine (1995). *Vital Signs, Fall 1995*. Dayton, Ohio: Wright State University Boonshoft School of Medicine.

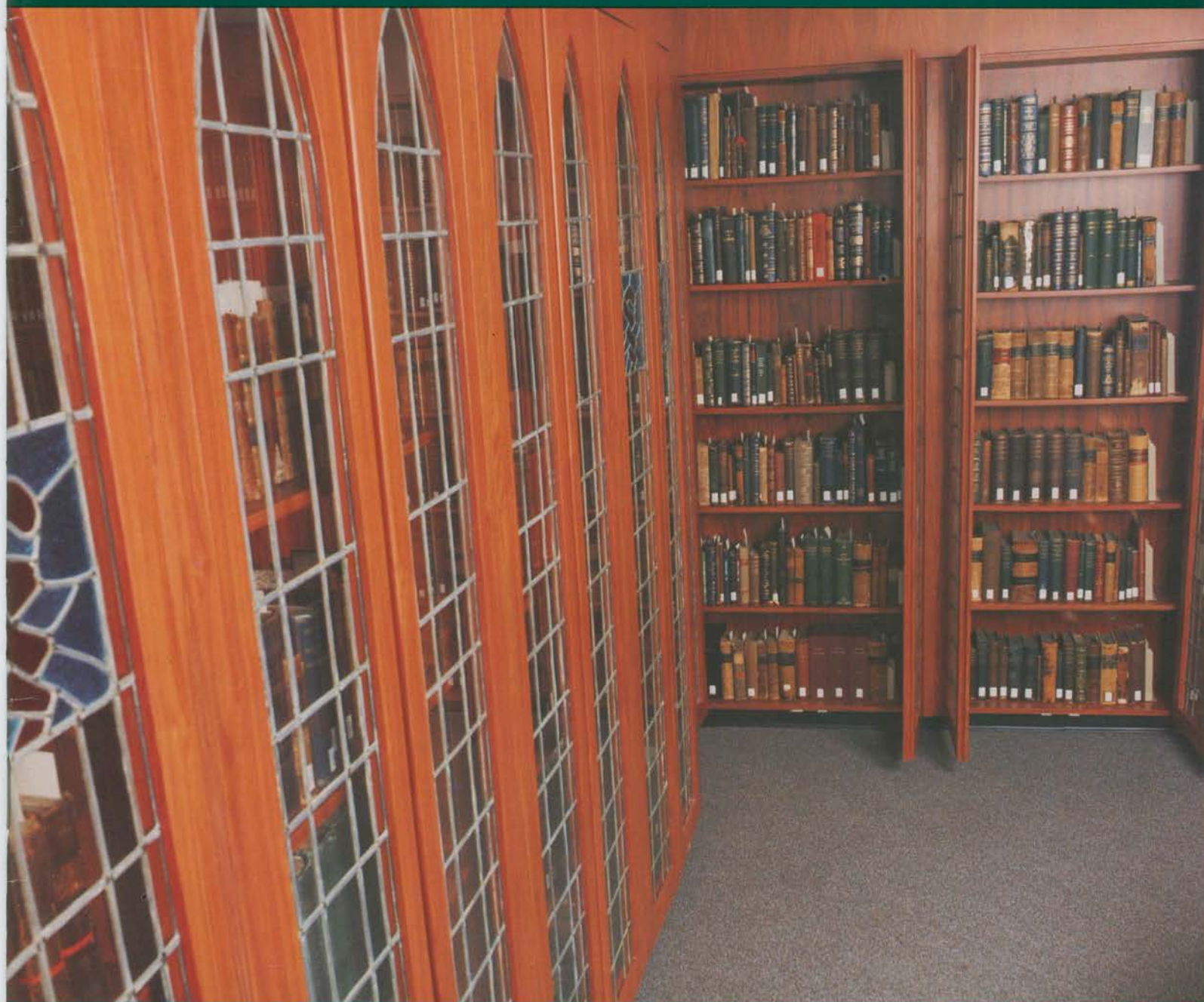
This Magazine is brought to you for free and open access by the Boonshoft School of Medicine Newsletters at CORE Scholar. It has been accepted for inclusion in Vital Signs by an authorized administrator of CORE Scholar. For more information, please contact library-corescholar@wright.edu.

WRIGHT STATE UNIVERSITY SCHOOL OF MEDICINE

VITAL SIGNS

FALL 1995

VOLUME 19, NUMBER 3



Vital Signs is published three times a year for alumni, faculty, staff, and friends of Wright State University School of Medicine.

Direct all correspondence to:
Editor, *Vital Signs*
Wright State University
School of Medicine
Office of Public Relations
110 Medical Sciences Building
3640 Colonel Glenn Highway
Dayton, Ohio 45435

***Editorial Planning Group and
Contributing Writers***

Judith Engle
Mary Lou Graham
Jacqueline McMillan
Deborah Vetter
Mark Willis
Arto Woodley Jr.

Managing Editor
Judith Engle

Copy Editor
Ron Wukeson

Graphic Design
Debbie Deichler

Cover Design
Ulysses Drinks

Photography
Scott Kissell
George Hellmund Jr.

Staff Assistants
Debbie Deichler
Teri Lynn Gosche

Front Cover

The Thelma Fordham Pruett Rare Book Room of the Fordham Health Sciences Library was dedicated in 1982 as a place to preserve the past. The room houses a collection of rare medical books, artifacts, and historical papers of local organizations and individuals, including Miami Valley's first physicians.

© 1995 Wright State University
School of Medicine

A MESSAGE FROM THE DEAN



There are few things I enjoy more than sharing the successes of Wright State's School of Medicine as it continues to excel in quantifiable ways in the missions of education, research, and service. Collaborative community relationships and the outstanding efforts of faculty, staff, and students have provided a synergy that is enabling the school to succeed where other academic health care centers are struggling. Brief samples of these successes are in this issue of *Vital Signs*.

Significant physical resources, such as the Fordham Health Sciences Library, enable the school to better prepare its students for their profession and serve as a community resource. Curricular innovations, such as the Objective Structured Clinical Examination (OSCE), provide excellent learning experiences and evaluate clinical skills as well. Collaborative research is a hallmark of the school, with this issue focusing on a technology transfer used in current burn research projects. Summer programs for disadvantaged and minority youth are the focal point of faculty service, demonstrating a commitment to their community and profession. Commitment is also evident in the integral role of the Department of Psychiatry as it works to improve the mental health of our community.

Kim Goldenberg, M.D.

Kim Goldenberg, M.D.
Dean

TABLE OF CONTENTS

Feature Story	2
<i>Fordham Health Sciences Library: It's Not a Room Full of Books</i>	
Education	6
<i>Students Enjoy Examination!?</i>	
Research	8
<i>Collaboration and Technology Transfer Boost Wright State Burn Research</i>	
Service	10
<i>Reaching Out to Youth: A Faculty Service</i>	
Community	12
<i>Community Psychiatry Initiatives: 'The Morally Right Thing to Do'</i>	
Advancement	14
Profile	15
<i>John O. Lindower, M.D., Ph.D.</i>	
Of Primary Interest	16
Comings and Goings	19



see page 6



see page 8



see page 10



see page 12

Fordham Health Sciences Library: *It's Not a Room Full of Books*

by Jacqueline McMillan

Preserving the Past

Charles Richard Drew (1904–1950) was an African American physician-researcher who developed the process of separating plasma from whole blood. He was also instrumental in organizing many of the first blood banks. His discoveries led to the use of plasma for battlefield and emergency transfusions and are credited with saving millions of lives. Members of the Student National Medical Association included this information about Dr. Drew in a recent display of African American medical history at Fordham Health Sciences Library.

Another recent display included the work of and the historical perspective on Dorothy Brower, a Daytonian who served as medical illustrator for the Wright-Patterson Air Force Base team that was assigned to work with the first astronauts. Her work has contributed to advancements in medicine and integrated art and science in rather unique ways.

Preserving the past is the focus of the Special Collections and Archives Department that maintains a collection of rare books, manuscripts, and archival research material in four distinct areas:

- ◆ aerospace medicine and human factors engineering;
- ◆ history of medicine;
- ◆ local and regional medical history;

◆ Wright State University's health sciences departments.

The cornerstone of the aerospace medicine and human factors engineering collections is the Ross A. McFarland Collection, a unique scientific resource consisting of 2,200 books and journals, more than 3,000 technical reports, and 210 linear feet of other manuscript materials. Dr. McFarland is recognized as the father of human factors engineering in aviation. Other collections in this area are the Howard A. Hasbrook Collection in Crash Injury Research; the Aerospace Medical Association

Archives; William Thornton NASA Collection; and the International Academy of Aviation and Space Medicine Archives.

The department has collections that document local medical history, including medical artifacts, rare books, and the papers of several local physicians and the Greene County Medical Society. Also housed here are the records and history of the School of Medicine, College of Nursing and Health, Fels Research Institute, Bob Hipple Laboratory, Cox Heart Institute, and other university departments.



Medical artifacts are an important part of the Fordham Health Sciences Library.

**Today's
Health Sciences
Library:
A Major Resource**

The Fordham Health Sciences Library has been an integral part of the Wright State University School of Medicine since the 1974 hiring of the university's first medical librarian. Soon after moving into the Medical Sciences Building in 1977, the Fordham Library began an evolutionary process that has established it as one of the premier health sciences libraries in the state.

The Fordham Library is part of a "matrix" reporting line that is responsible to both the dean of the medical school, as well as the university librarian. This system has contributed to a reputation for excellence and has resulted in the "sharing" of library personnel and expertise.

The library serves as an important resource for both education and research activities. Clientele of the Fordham Library includes students and faculty from the School of Medicine, the College of Nursing and Health, School of Professional Psychology, and the Ph.D. program in biomedical sciences.

Students use the resources here to enhance and extend their learning, and they are granted access to a study area in the library for after-hours study. Faculty use the resources for research and scholarly activities



Veronica Simien, Year II, studies at the Fordham Library.

as well as for teaching. School of Medicine's voluntary faculty are granted full borrowing privileges, as are students and faculty of the university in programs other than the health sciences.

In addition, individuals without Wright State University affiliation who reside in the surrounding communities may purchase borrowing cards for a nominal fee.



Computerized reference center at Fordham Health Sciences Library.

Preparing for the Future

The fully computerized library offers a library network (LIBNET) that provides a complete listing of the books, journals, and other resources of the Wright State University libraries, as well as the holdings of seven Dayton-area hospital libraries. The OhioLINK Central Catalog, another computer database available in the Fordham Library, provides a listing of the holdings of each of the seven Ohio medical schools, as well as the holdings of state-supported universities, private colleges and

universities, and some two-year colleges. By accessing these databases, faculty and students can locate and request a reference from their computer terminal, either at work or at home. LIBNET also includes indexes to journal articles, such as ERIC, PsycInfo, and MEDLINE, and Internet resources including national and international gophers that link to other information systems or institutions and access to World Wide Web.

The library will soon join other "libraries of the future" by providing PowerPages, a "full-text" database that displays bibliographic

information and prints entire articles. Soon library clients will complete research and retrieval without leaving the computer terminal!

A Computer Education Center located on the main floor provides seven Macintosh and five IBM computers for students and faculty from the School of Medicine and the School of Professional Psychology. This area is seldom vacant. A wide variety of software is available, and the center is staffed by knowledgeable personnel, eager to assist the novice but willing to let you browse at your leisure.



Students and faculty frequently use the Computer Education Center.

The Fordham Health Sciences Library is an amazing resource for the School of Medicine, the university, and the community. It provides 106,000 print volumes, 1,100 journal subscriptions, 2,800 audiovisual and computer programs, access to on-line database searching, special collections and rare books, photocopy service, quiet study areas, and after-hour study space for students.

So, if you thought that the Fordham Health Sciences Library was just another room full of books, think again!

Fordham Health Sciences Library

Regular Hours

<i>Monday–Thursday</i>	<i>8:00 A.M.–midnight</i>
<i>Friday</i>	<i>8:00 A.M.–8:00 P.M.</i>
<i>Saturday</i>	<i>10:00 A.M.–6:00 P.M.</i>
<i>Sunday</i>	<i>10:00 A.M.–midnight</i>

Special Collections and Archives

<i>Monday–Friday</i>	<i>1:00 P.M.–5:00 P.M. or by appointment</i>
-----------------------------	---

Students Enjoy Examination!?

by Mary Lou Graham

A very helpful experience” and “good evaluation of our skills” are representative of the comments heard from students after the recent Objective Structured Clinical Examination. This examination, better known as OSCE (os'-key) to students and faculty, is an innovative evaluation used to assess specific clinical skills. While not unique to WSU, the relatively new, but pre-eminent Objective Structured Clinical Examination has been adapted successfully to meet our needs.

Wright State University School of Medicine students first encounter the OSCE at the end of the Introduction to Medicine (ICM) course in the spring and again after the neuroscience

course in June of their first year. The OSCE is also used at the end of the three-week ICM II July experience, before students start their Year 3 clerkships.

The planning of an OSCE is a complex matter. The coordinator of standardized patients, Terri Traylor, Office of Academic Affairs, interviews and hires people with varying backgrounds from the community to play the role of patients. These simulated patients are trained to recreate the history, physical findings, emotional structure, and response pattern of an actual patient.

In the most recent July OSCE experience, 11 stations were set up with the simulated patients playing the roles of patients with

a wide range of complaints. For example, a patient might complain of tenderness and swelling of his elbow. (Tennis anyone?)

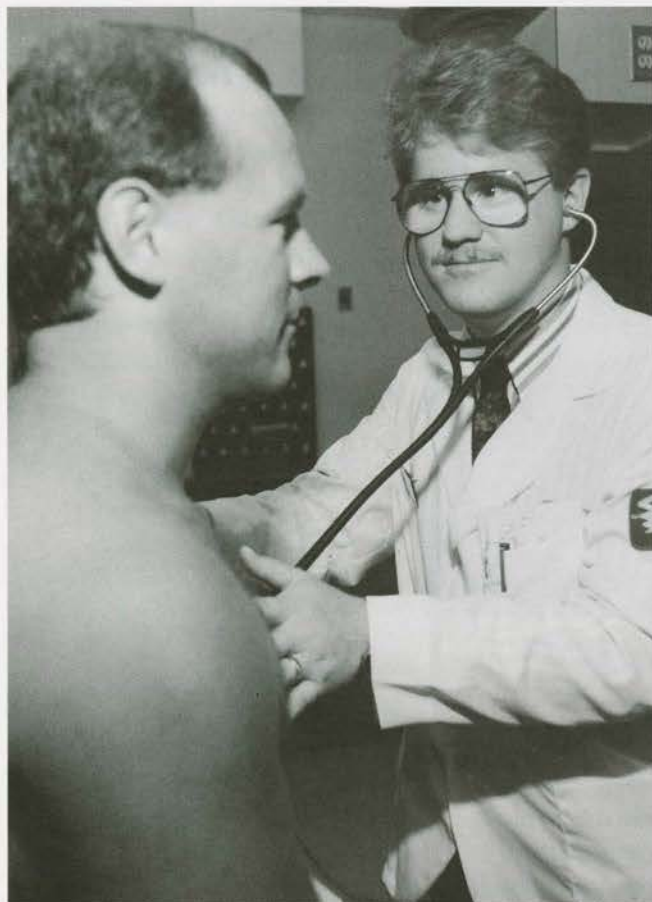
The July examination is given over a two-day period. Each student is assigned a two-hour time slot and rotates through the stations performing tasks such as taking a history or performing physical examinations to make diagnoses. Depending on the task involved, students are allowed five to ten minutes per patient. Questions relating to the task may follow at the next station, for example, symptoms observed or diagnosis determined. Buzzers are used to regulate the time allotted to each station and to facilitate a smooth transition of the students from station to station.



Year III student Julia Fashner
with simulated patient in the July OSCE.

***“A real patient
doesn’t know
the right or
wrong way to
do the exam.
With a trained
simulated
patient, it’s
hard to fake.”***

The simulated patients are taught to evaluate the students’ demonstration of technique and skills, and offer suggestions for improvement. Upon completing



Year III student Stephan Justice in an OSCE station with a simulated patient.



Matt Evans, Year III, (L) is monitored by Bruce Binder, M.D., during this portion of the OSCE.

the exam, Jeff Dean remarked that this immediate feedback was valuable to him, since a "real patient doesn't know the right or wrong way to do the exam. With a trained simulated patient, it's hard to fake." Occasionally a faculty member observes at a station to monitor the students' performance.

Examinations are as much a part of learning as are lectures and lab exercises, and the OSCE is

proving to be a valuable learning tool. Most of the students agree that the OSCE is a very informative, and even enjoyable, learning experience. Cecilia Terrado commented that "Even though the exam is with simulated patients, it mentally prepares you for the clinical rotation experience." Robert Williams, another student, agrees that the OSCE "makes you think more in terms of a practical office setting."

"Even though the exam is with simulated patients, it mentally prepares you for the clinical rotation experience."

Collaboration and Technology Transfer Boost Wright State Burn Research

by Mark Willis

Ray Donaldson knows what it takes to recover from severe burn injuries. After six months in the Regional Adult Burn Center at Miami Valley Hospital—and 17 trips to the operating room—he is back on his feet and more committed than ever before to helping people who face what he experienced.

Donaldson was burned in an industrial accident in 1990. Now he volunteers two days a week in the occupational therapy unit at Miami Valley. “I enjoy helping people,” he says. “The more I can do to help, the more time the staff can devote to helping other patients.

“I talk to patients and try to bring their morale up,” Donaldson adds. “They may be down in the dumps, wondering why did this happen to me? Talking to somebody who’s been through what they’re going through helps bring their spirits up.”

Ray Donaldson makes another contribution to the treatment of burn patients. He participates in the Burn Center’s pioneering clinical research program. He was the first Ohioan to receive skin grafts cloned in the laboratory. Now he’s involved in a project that is exploring how to apply defense technology developed at Wright-Patterson Air Force Base to the treatment of facial burns.

Today’s aggressive therapies for burn patients take teamwork, according to Sidney F. Miller, M.D. “The same team effort carries over to burn research.”



*Sidney Miller, M.D., in surgery
(Photo compliments
of Miami Valley Hospital)*

Dr. Miller, the Burn Center’s director, is professor of surgery at Wright State. All Wright State surgery residents train in the Burn Center, which provides acute care and rehabilitation services for over 200 patients a year. Many of the residents complete surgery research projects there under Dr. Miller’s supervision.

Past research at the Burn Center established the importance of early skin grafting, nutritional support, and aggressive physical therapy for burn patients. In addition to laboratory and clinical studies, the scope of current burn research has broadened to include technology transfer and collaboration with local industry.

Transferring defense technology to the clinical

environment is the goal of the collaboration with Wright-Patterson and Fidelity Orthopedics in Dayton. The research is testing the usefulness of computer-aided design and manufacturing (CAD/CAM) technology for treating patients with severe facial burns. The clinical study is funded by the International Association of Fire Fighters, and Reg Richard, P.T., M.S., clinical professional associate in the Department of Surgery, is the principal investigator.

The CAD/CAM technology was engineered first at Wright-Patterson’s Armstrong Aerospace Medicine Laboratories to make custom-fitted helmets and face masks for fighter pilots. A laser scanner is used to make a digital map of the face. The map guides a computer-controlled milling machine that carves a three-dimensional plastic bust, which is used to cast a custom-fitted pressure mask.

Pressure masks can prevent hypertrophic scarring in patients with serious facial burns, according to Dr. Miller. The conventional method for making pressure masks in the hospital—molding a plaster cast of the face—requires the patient to remain still for more than an hour. The CAD/CAM method takes less than 20 seconds to scan the face, and the results are accurate to within one millimeter.

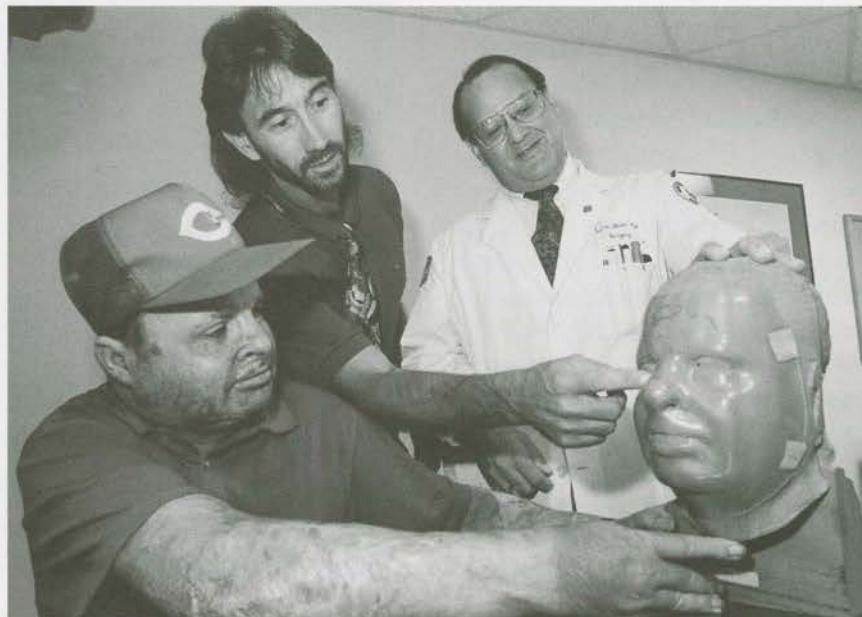
Another example of technology transfer with clinical

possibilities originated in the private sector. The Motorola Corporation developed hand-held colorimetry instruments for analyzing the consistency of paint colors in manufacturing. Such devices could provide physicians with valuable diagnostic information about skin color, according to Dr. Miller.

"We believe that the opportunity for more collaborative research exists here."

"Superficial burns such as a bad sunburn are very red compared to normal skin, but full thickness (third degree) burns are less red because there is no blood supply at all," he explains. The colorimetry device can assess skin color changes that are undetectable by the human eye. Laboratory studies are now under way to determine how colorimetry's digital readouts can be correlated with other diagnostic information.

Clinical studies with carefully selected patients are evaluating the effectiveness of micrograft surgery for burn wounds. Skin grafting using current skin is typically a three-step process requiring two trips to the operating room. Burned skin is excised surgically and healthy skin is harvested from donor sites



(L to R) Ray Donaldson, Reg Richard, and Sidney Miller, M.D., with pressure mask.

on unburned portions of the body. The healthy skin is separated into small fragments that are grown under laboratory conditions for several weeks. Then the cultured tissue is grafted onto the burn wound.

Micrograft surgery bypasses the middle step. Healthy skin fragments are grafted across the wound during the initial surgery and the grafts grow directly on the wound. Micrograft techniques could save valuable recovery time for some patients and will be most cost effective, according to Dr. Miller.

Donor sites for skin grafting represent a type of "controlled injury" where new medical products can be tested under carefully controlled clinical conditions. Fibrin sealant, a type

of "tissue glue" developed by Baxter Laboratories, may prove useful in suturing blood vessels during micrograft surgery. Burn Center researchers also are testing the effectiveness of new wound dressings developed by Brennan Laboratories in Minneapolis and the NDM Corporation in Dayton.

"A lot of businesses in our region have needs for biomedical research, from basic laboratory studies to product development and clinical trials," Dr. Miller says. "In the past, this research has left Dayton. We believe that the opportunity for more collaborative research exists here. Finding those collaborative matches is an important goal for Wright State University, the Miami Valley Regional Adult Burn Center, and the local economy."

Reaching Out to Youth: A Faculty Service

by Mary Lou Graham and Deborah Vetter

You haven't the talent to master mathematics and science, so you shouldn't even try." How many times do our youth hear similar statements and become discouraged, wasting valuable talent?

Many faculty at Wright State University School of Medicine believe enough in young people that they share their expertise and time to encourage these youth to explore the possibilities of careers in the scientific and medical fields. Preparing young people to pursue an education in medicine and science fulfills in part the school's philosophy of service.

Congress, in anticipation of a shortage of scientists in the twenty-first century, has mandated federal agencies—such as the National Institutes of Health, the National Science Foundation, and the



Barbara Hull, Ph.D., associate professor of biological sciences, with Sheba Asberom, a high school senior who participated in the 1995 Research Apprentice Program.



The 1995 Horizons in Medicine participants.

United States Department of Education—to underwrite programs that encourage all segments of the population to participate in the scientific arena. An impressive number of committed School of Medicine faculty have responded to this need by supporting summer programs targeted toward developing the interests of underrepresented high school and undergraduate students.

The Horizons in Medicine Program (director Jacqueline McMillan) offers high school students six weeks of summer laboratory and classroom experiences, field trips to medical research laboratories and other health related facilities, and the opportunity for paid employment in hospitals.

The Minority High School Student Research Apprentice Program (director Dr. Larry Ream) stimulates high school

students to pursue careers in the health professions through full-time summer research experiences. In addition, the program provides in-service teachers with a hands-on research experience that helps them to take a renewed sense of excitement back to the classroom.

Through the **Short Term Research Experience Access for Minority Students (STREAMS)** program (director, Dr. Robert Putnam), 11 undergraduate college students, representing seven colleges from four states, participated in laboratory research supervised by faculty mentors. This diverse group of students (eight African Americans, one Mexican American, one Pacific Islander, and one Puerto Rican) also gained classroom experience, read papers from the primary literature, presented scientific talks, and explored the social and ethical implications of scientific research.



The 1995 STREAMS participants with Dr. Robert Putnam, director. (Back Row-R)

The Summer Research Internship Program (SRIP)

(directors, Drs. Nancy Bigley and Pam Fink) for minorities and women, now in its second year, is a collaborative effort between Wright State and Central State Universities. Two thirds of the students recruited into the program are first-generation college students from low-income families. Through this program, faculty mentors introduce recruits to research experience, motivating them to pursue advanced degrees in scientific and medical fields. In addition, weekly seminars address pertinent issues about graduate and medical studies, technical writing and communications skills, scientific research, and employment possibilities. The program culminates with a poster session during which time the students present their original research work accomplished in the eight-week program.

"These programs are win/win."

These programs have been very successful. For example:

- ◆ Eleven students completed the first summer of the STREAMS program, with the possibility that some will publish a paper.

- ◆ Ninety-seven percent of the Horizons in Medicine participants enter college; 92 percent of them graduate.

- ◆ A Native American student in the Summer Research Internship Program of 1994 has been accepted into a Ph.D. program at Cornell University; another student was admitted early into the medical school at the University of Cincinnati.

- ◆ From the first Minority High School Apprentice program 14 years ago, Kevin Sean Kimbro

continued his studies and received a doctorate in microbiology at Indiana University in Bloomington, the sixth student of African descent to do so since the university's founding in 1890. Sean has recently accepted a post-doctoral position at Harvard University Medical School in Boston, Massachusetts.

School of Medicine faculty who have served as mentors in these programs envision their role of service to the community as affording students of a diverse culture opportunities to succeed in science.

According to Bob Putnam, Ph.D., "these programs are win/win. Students get an opportunity to have first-rate research experiences, and the university is enriched by the students who through their diversity bring new ideas and approaches."



Sumit Bhatla, a 1993 Horizons in Medicine participant, is currently enrolled in a pre-med/med program.

Community Psychiatry Initiatives: 'The Morally Right Thing to Do'

by Mark Willis

In the field of psychiatry, the concept of "community" has two important meanings. Community psychiatry provides mental health care services in a variety of public sector settings, and its patient population is frequently different from those treated in private practice. In recent years, "community" also has come to represent the movement toward deinstitutionalization for severely mentally ill patients.

Academic psychiatry departments throughout the country provide patient care and professional training in public mental health institutions, according to Jerald Kay, M.D., professor and chair of psychiatry at Wright State University School of Medicine. As a community-based medical school, Wright State's community psychiatry initiatives are woven throughout the region's mental health care system.

Wright State faculty and residents staff the Community Living Center at Good Samaritan Hospital, one of four state-funded community mental health centers in the Dayton area. The others—Daymont West, Eastway, and South Community Mental Health Center—also are affiliated with Wright State. All Wright State psychiatry residents complete a year-long community psychiatry rotation that includes outpatient experience at the community mental health centers.

"We have a significant community responsibility to the

population of patients who are severely mentally disabled," Dr. Kay says. He explains that community psychiatry often means working with patients who have chronic mental illnesses such as schizophrenia, manic-depressive illness, recurrent depression, obsessive-compulsive disorder, and severe personality disorders.

"These are illnesses with devastating effects. They really compromise a person's happiness, quality of life, and ability to relate to others," Dr. Kay says. Most chronic illnesses cannot be cured, but they can be treated in a community context so the patient has a better quality of life, functioning better within the community instead of in isolation from it.

The community movement

represents "a whole different way of looking at people with chronic mental illness," according to Dr. Kay. "Over the last 25 years, there has been a very prominent move to deinstitutionalization. We have dramatically reduced the number of people who remain in state mental hospitals for long periods of time. There will always be a small group of people who are so severely ill that they can't live outside the hospital, but the vast majority can be treated in the community in less isolated settings.

"Treating people in the least restrictive environment is the guiding principal behind this movement," he adds. "It means helping people to become contributing members of their community, to have families, to hold down jobs. It's a much better



Charlotte Miller (C) and Ramona Borgerding (L) of the Montgomery County Alliance for the Mentally Ill congratulate Dr. Jerald Kay for the Department of Psychiatry's Exemplary Psychiatrist awards.

way than the traditional asylum approach where you hide people away from the public.”

Wright State’s community commitment is reflected in the psychiatry department’s close working relationships with local consumer advocacy groups such as the Alliance for the Mentally Ill (AMI) of Montgomery County. Wright State and AMI have collaborated to provide public forums that bring together consumers, advocates, families of patients, and mental health professionals. As a result last year, the National Alliance for the Mentally Ill presented its Exemplary Psychiatrist Award to four Wright State faculty (Drs. Jerald Kay, Leo D’Souza, W. Scott Nekrosius, and Lt. Col. Rob Hardy, USAFMC).

Many chronically mentally ill

patients now live with their families, according to Brenda Roman, M.D., assistant professor and associate training director for community psychiatry. “The family is a natural support system for these patients. It provides a natural setting for improved understanding and treatment,” she explains. “The relapse rate of patients who have had family intervention is much lower than that of patients in a traditional treatment setting. Family therapy can help to ease the relatives’ burden of distress, so they’re not as frustrated.”

Wright State’s community psychiatry rotation includes working with patients in community settings, such as family and group homes. Residents work closely with patients’ families and other

support groups to explore psycho-social issues surrounding the patient’s illness and medications. “We look at the whole person to understand better what the patient’s life is like,” she says.

The Ohio Department of Mental Health has funded a broad community initiative led by Wright State’s Department of Psychiatry. Its goal is strengthening the multidisciplinary teams who treat chronically ill patients in community settings. The program trains psychiatry residents, professional psychology students, and nursing students from Wright State, graduate students in counseling from the University of Dayton, and mental health technology students from Sinclair Community College. Each multidisciplinary team follows a Dayton Mental Health Center patient and his or her family throughout the training year.

“The program is designed to help students break out of their professional niches,” Dr. Roman explains. “If they are trained in a multidisciplinary environment, they are more likely to work together effectively as teams in community mental health centers.”

The movement from institutionalization to treatment in the community, Dr. Kay concludes, “strives to improve the patient’s overall quality of life. It is the morally right thing to do.”



Brenda Roman, M.D., (R) with (from L-R) Mike Hansbury, Case Manager; Edith Crider, R.N.; Year III psychiatry residents, Mohommad Ilyas, M.D., and Fred Stribling, M.D.



Kenneth Oberheu, M.D.

Breaking New Ground

For the first time in the School's history, Wright State School of Medicine participated in the Corporate Appeal for Wright State University. Dr. Ken Oberheu, father of Dr. Anne Oberheu ('93) and longtime friend of the school, served as the captain of this ground-breaking team, which included Mrs. Cherie Dixon, Dr. John Bullock, Dr. Howard Abrams, and Dr. Robert Goldenberg.

The WSU Corporate Appeal was initiated in 1993 to bolster corporate giving to the university. Since its inception, giving to Wright State University has increased 92 percent and donors 76 percent. The program enlists the help of more than 100 volunteers to build relationships between Wright State and the corporate community. Congratulations to Dr. Oberheu and his team for breaking new ground to increase corporate support for the school.

Thank You

Each year alumni give their time to lead reunion events, host gatherings, open their homes to students applying for residencies, and raise funds for and contribute to the annual appeals. More than 400—32 percent—of Wright State's 1,200 alumni committed to helping students during the 1995 Annual Appeal. That is an outstanding record. The assistance that the Medical Alumni Association receives from each of you is appreciated; you help make the Wright State School of Medicine a place of excellence.

Please continue to forward your accomplishments to the Alumni office to be used in Vital Signs and other publications that will highlight School of Medicine alumni.



Virginia Wood, M.D.

Academy of Medicine

Dr. Virginia Wood began as the new chair of the Academy of Medicine in May 1995. Dr. Wood is associate professor of internal medicine at the School of Medicine and has been an academy member since 1990. The Academy of Medicine is an organization that exists to enhance medical education at Wright State. The organization has contributed more than \$1 million in low-interest loans since 1977. Additionally, the academy gives annual monetary awards to outstanding students and clinical faculty in the school.

In honor of his retirement, the Executive Committee of Wright State University School of Medicine recently commended John Lindower, M.D., Ph.D., for his 20 years of service to the school. In a citation signed by each departmental chair, Dr. Lindower was "recognized for his statesmanship, fairness, mature judgment, and strong support of the medical school."

Albert Langley, Ph.D., associate dean for academic affairs, describes John Lindower as "a rare individual, one you could trust and rely on." Jesse Ziegler, Ph.D., D.D., professor of community health, notes that, "John has had a pastoral concern as well as a doctor's concern for his patients." These descriptions of Dr. Lindower express the sentiments of colleagues, students, and friends who see his concern for others as a quality consistently reflected in both his professional and private life.

At the university, Dr. Lindower is recognized for his strong institutional loyalty—to the school, university, and the individuals within the institution. He contributed to the development of the institution in several roles. From 1975 to 1982, Dr. Lindower served as founding chair of the Department of

Pharmacology and Toxicology. His background in curricular development made him a good match for an emerging medical school, and he provided leadership in the development, implementation, and refinement of the school's curriculum.

Dr. Lindower also served as associate dean for academic affairs, interim dean, the associate dean for faculty and clinical affairs, and executive associate dean. His most recent duties included supervision of graduate medical education, liaison with affiliated hospitals, and faculty recruitment and related actions.

As an educator, Dr. Lindower, professor of pharmacology and toxicology and of family medicine, taught courses in basic and clinical pharmacology. In addition, he often participated in the medical ethics course offered through the school's Department of Community Health. Course instructors said Dr. Lindower emphasized the humanistic side of medicine in which physicians view each patient as an individual. Commenting on Dr. Lindower's teaching style, Dr. Ziegler said, "John was able to draw students out, get the students to express themselves—



John O. Lindower, M.D., Ph.D.

which is what these courses are about."

Dr. Lindower frequently represented the school and the dean on state committees and councils, including the Ohio Board of Regents. Leslie Sawyer, Ohio Board of Regents administrator of health and state training programs, said, "In addition to his impressive credentials and abilities as an administrator, physician, and educator, John Lindower shows a personal warmth and integrity. He is committed to his work, and expresses kindness and thoughtfulness to people."

— *Deborah Vetter*

School of Medicine in National Arenas



Dean Kim Goldenberg lobbies for academic health care centers at White House meeting (Official White House Photo)

Through the Association of American Medical Colleges (AAMC), medical deans, hospital directors, and university presidents have begun an active campaign to inform federal legislators about the possible effects that proposed legislation will have on academic health centers. Cuts in proposed budgets, contends the AAMC, will adversely affect teaching hospitals that provide essential health care to their communities, provide clinical education for medical students and residents, and conduct biomedical research. Because teaching hospitals incur higher costs than nonteaching hospitals, proposed cuts would severely impair the ability of academic health care centers to meet their missions.

National Recognition

Wright State University School of Medicine was recently honored, along with 18 other medical schools across the country, by the American Academy of Family Physicians (AAFP). Based on the three-year period from 1992–94, Wright State's School of Medicine received the "Bronze Award" for its efforts to increase the nation's supply of family physicians. The AAFP initiated this award program three years ago to honor medical schools that have a high percentage of graduates who enter accredited family practice residency programs. Family practice remains the primary care residency that has the least attrition into specialty areas. The AAFP is an 82,000-member national medical specialty association that represents family physicians, family practice residents, and medical students.

New Appointments

Howard M. Part, M.D., has been appointed associate dean for clinical and faculty affairs. He received his B.S. from Ohio University and an M.D. from Ohio State University, where he also completed a residency in internal medicine. Dr. Part has been at Wright State since 1988 and has served as chief of the general medicine consult service; director of the medicine residency program at the Veterans Affairs Medical Center; vice-chair of medical education and medical clerkship director; and chair of the Department of Medicine.

Barbara L. Schuster, M.D., has been appointed chair of medicine. Dr. Schuster received her B.A. and M.S., from the University of Pennsylvania and an M.D. from the University of Rochester, where she also completed a residency in internal medicine. Dr. Schuster has been a faculty member and leader at the University of Rochester since 1980.

Jane N. Scott, Ph.D., has been appointed chair of anatomy. A faculty member since 1975, Dr. Scott has served as assistant director of the Biomedical Sciences Ph.D. Program and associate director and assistant dean in the Office of Student Affairs. She received an A.B. from Transylvania University and an M.S. and Ph.D. from the University of Kentucky.

OF PRIMARY INTEREST



Ronald J. Markert, Ph.D.



Harvey Siegal, Ph.D. (Above) and
Daniel Organisciak, Ph.D., (Below)



University Awards

Ronald J. Markert, Ph.D., professor of medicine, was recently given the Robert J. Kegerreis Distinguished Professor of Teaching Award by Wright State University Board of Trustees. The teaching award is given to individuals who have "demonstrated outstanding skills as a teacher and advisor, as evidenced by student and peer evaluations, course development, and improvement and/or scholarly publications in the area of teaching." The university also grants awards for distinguished research and professional service. No more than one percent of the faculty may hold the title of Distinguished Professor at any time. The title is awarded only once, for a three-year period, and includes a cash award and a professional development grant.

Harvey Siegal, Ph.D., professor of community health and sociology, and director, substance abuse intervention programs, and **Daniel Organisciak, Ph.D.**, chair and professor of biochemistry and molecular biology, were recently awarded the rank of University Professor. This rank is "reserved for those individuals who have made outstanding contributions outside of the confines of their own discipline and who are regarded as a role model for role models. It is expected that nominees be nationally if not internationally known." Only three faculty members may hold this title at any one time, and the title is bestowed for five years. The award includes an annual stipend and a grant for professional development.

Awards of Excellence

The Division of Human Biology in the Department of Community Health recently received the President's Award for Excellence for an Outstanding Unit. Deborah Vetter, associate director for faculty and research development at the School of Medicine, received the President's Award for Excellence for Innovation.

School of Medicine Announces Teaching Awards

Seven faculty members were recently honored with the Excellence in Medical Education Award at the School of Medicine Convocation for "demonstrating innovative and creative efforts in the education of medical students." Congratulations to the following:

- ♦ **Nancy Bigley, Ph.D.**, professor of microbiology and immunology
- ♦ **Heather Schulte, M.D.**, assistant professor of psychiatry
- ♦ **Neal Rote, Ph.D.**, professor of microbiology and immunology
- ♦ **Syed Ahmed, M.D.**, assistant professor of family medicine
- ♦ **Gretchen Zimmerman, Psy.D.**, assistant professor of family medicine
- ♦ **Cynthia Olsen, M.D.**, associate professor of family medicine
- ♦ **Robert P. Schiermeyer, M.D.**, clinical instructor of emergency medicine.

Medical Curriculum Includes Sickle Cell Disease

Wright State's medical students are learning how to recognize symptoms and manage treatment for sickle cell disease through a new curriculum module that brings volunteer patients, community experts, students, and faculty mentors together. According to Dr. Peter Lauf, chair of physiology and biophysics and sickle cell researcher, Wright State is one of the first medical schools in the country to set aside curriculum time for this disease. Students practiced taking histories from the volunteer patients and heard firsthand accounts of the potential devastating affects of the disease.



Medical students meet with volunteer patients (Above); Year I students recite the Hippocratic Oath as part of the inaugural "White Coat Ceremony" (Below).

New Traditions for the Class of 1999

At the School of Medicine's Convocation, each member of the Class of 1999 participated in Wright State's first "White Coat Ceremony." Students received their white clinical and laboratory coats and took the Hippocratic Oath for the first time, a first step toward professionalism. This year's entering class included a record number of women (61 percent), reflecting a national trend in medical education.



Student Scholarships

The Montgomery County Medical Society Alliance recently awarded student scholarships. Congratulations to the following medical students: Miguel Parilo, Robert Girmann, Mark Lake, Stephanie Long, Scott Zimmer, Marcus Miller, John Knipfer, Dana Caylor, Colleen Casey, Stephen Klosterman, Lori Vavul-Roediger, Charise Bowman, and Janice Duke.

Jay S. Adams, M.D.

Assistant Professor, Dermatology

M.D.: University of Michigan Medical School

Residency: University of Washington Medical School, Seattle (anatomic and clinical pathology); USAF Medical Center Lackland AFB, San Antonio (clinical dermatology)

Manoop S. Bhutani, M.D.

Staff Physician, Internal Medicine

M.D.: Maharishi Dayanand University Medical College

Residency: Wright State University (internal medicine)

**Julian Gomez-Cambronero, Ph.D.**

Assistant Professor, Physiology and Biophysics

Ph.D.: Universidad Complutense de Madrid

Fellowship: University of Connecticut Health Center, Farmington (physiology)

**Jeffrey C. King, M.D.**

Professor, Obstetrics and Gynecology

M.D.: Rush Medical College

Residency: Rush-Presbyterian-St. Luke's Medical Center (obstetrics and gynecology)

Fellowship: University of Louisville; Georgetown University School of Medicine (maternal-fetal medicine)

Major Douglas S. Lehrer, M.D.

Assistant Professor, Psychiatry

M.D.: University of Cincinnati College of Medicine

Residency: University of Cincinnati Hospital (psychiatry)



Farhad S. Sahiar, M.D.

Assistant Professor, Aerospace Medicine

M.D.: Armed Forces Medical College, Pune, India

Residency: Wright State University (aerospace medicine); Armed Forces Medical College, Pune (pathology)

Richard D. Sanders, M.D.

Assistant Professor, Psychiatry

M.D.: Wright State University

Residency: Western Psychiatric Institute and Clinic, Pittsburgh (psychiatry, schizophrenia)



Barbara L. Schuster, M.D.

Professor, Medicine

M.D.: University of Rochester

Residency: University of Rochester (internal medicine)

Fellowship: Public Health Service Primary Care Policy



Mary T. White, Ph.D.

Assistant Professor, Community Health

Ed.M.: Harvard Graduate School of Education

AND GOINGS

Larry G. Arlian, Ph.D., Professor, Biological Sciences

Tehming Liang, M.D., Associate Professor, Dermatology

John O. Lindower, M.D., Ph.D., Professor, Family Medicine and
Pharmacology and Toxicology

William J. Marshall, M.D., Professor, Medicine

Bhoomi Mehrotra, M.D., Assistant Professor, Internal Medicine

Watson D. Parker Jr., M.D., Associate Professor, Rehabilitation Medicine
and Restorative Care

Samuel E. Pitner, M.D., Professor, Neurology

WRIGHT STATE UNIVERSITY

SCHOOL OF MEDICINE

UPCOMING EVENTS

African American Alumni Appeal Kickoff

November 4, 1995

Noon-2:00 P.M.

Student Union

Wright State University

For more information, contact:

513/873-2972

Annual School of Medicine/ Veterans Affairs Medical Center Mixer

November 16, 1995

4:30-6:00 P.M.

Veterans Affairs Medical Center

Basic Science Teaching Addition

First Floor

For more information, contact:

513/873-2933

International Neuroscience Symposium, "Synaptic Structure and Function"

November 20, 1995

8:30 A.M.-6:30 P.M.

Student Union Multipurpose Room

Wright State University

For more information, contact:

513/873-4505

School of Medicine Inaugural Scholarship/ Donor Recognition Reception

December 5, 1995

3-4:30 P.M.

Student Union

Wright State University

For more information, contact:

513/873-2972

Sixth Annual Law-Medicine Symposium, "Legal Liability Issues in Managed Care"

(Presented jointly by WSU School of
Medicine and University of Dayton School
of Law)

January 31, 1996

3-5:00 P.M.

Kennedy Building Ballroom

University of Dayton

For more information, contact:

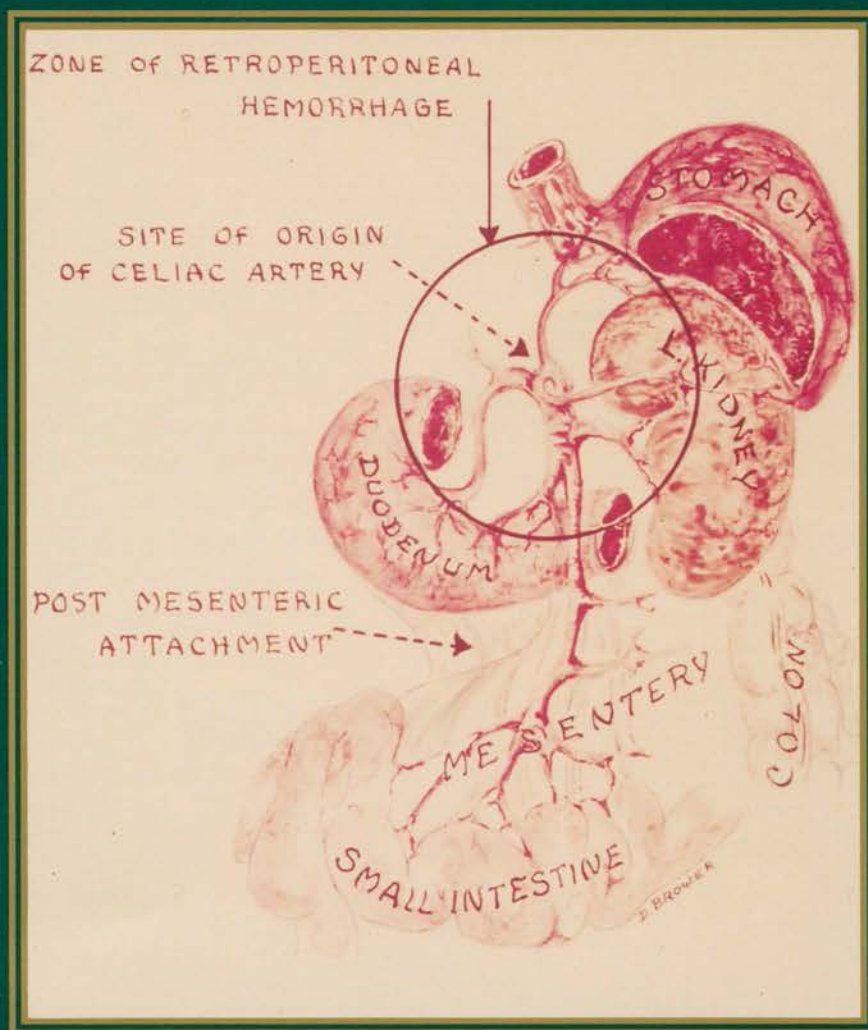
513/873-3392

Back Cover

Reproduced here is an original artwork in comparative anatomy studies from the Dorothy Brower Collection at Fordham Health Sciences Library. Dorothy Brower was a medical illustrator who worked at Wright-Patterson Air Force Base in the mid-1950s in preparation for manned space missions.



Printed on
recycled paper



**Wright State
University**
Dayton, Ohio 45435



**School of
Medicine**

Nonprofit Organization
U.S. Postage Paid
Dayton, Ohio 45401
Permit No. 551